Partridge. 1649.

AN ALMANACK AND PROGNOSTICATION

For the yeare of the WORLDS Redemption, 1649. And of the Creation, 5642.

Being the first after Bissextile or Leape yeare.

Calculated and principally referred to the Meridian of the most honourable City of *London*, whose situation is in *Longitude* 24 degrees, and 20 minutes, and in *Latitude* 51 degrees 32 minutes, and may serve indifferently for the whole Kingdome of *England*.

Composed and made for the use of all sorts of men in generall.

By Seth Partridge, Surveyor, and Practitioner in the *MATHEMATICKS*.

LONDON,

Printed by *M. B.* for the Companie of STATIONERS.

The common Notes, and moveable Feasts according both to the *English* Accompt, and Forraigne Accompt, for this present yeere 1649.

	The *English* Accompt.	The *Roman* Accompt.
The Golden Number	xi	xi
The Circle of the Moone	6	6
The Circle of the Sun	26	16
The Epact	2	2
The Roman Indiction	☾	☾
The Dominicall Letter		
Sexagesima Sunday	Febr. 4	Febr. 14
Easter Day	March 25	Aprill 4
Ascention Day	May 3	May 13
Whitsunday	May 13	May 23
Trinity Sunday	May 20	May 30
Advent Sunday	December 2	November 28
Betweene the day of Christ his Nativity and Shrove Sunday is	6 Weeks, 1 day	7 Weeks 3 da.
Betweene Trinity Sunday and Advent is	28 Weeks	27 Weeks

Charles our Soveraigne Lord and King did beginne his Reigne over great Brittaine, the 27 day of *March*, *Anno Dom.* 1625. and hath reigned 24 yeares compleat the 26 day of *March* this yeare, 1649. but the 27 day we begin to write *Anno Regni*, 25. *Vivat Rex.*

The present Parliament began *November* 3. 1640. and hath continued 9 yeares at the 3 of *November*.

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409: 67

Of the 12. Signes of the Zodiaque, their Characters, and the parts of mans body to them Attributed.

♈ *Aries* head and face, ♉ *Taurus* necke and throat, ♊ *Gemini* armes and shoulders, ♋ *Cancer* breast, stomack, and ribs, ♌ *Leo* heart and back, ♍ *Virgo* bowels and belly, ♎ *Libra* loynes and reines, ♏ *Scorpio* secrets and bladder, ♐ *Sagitarius* thighs, ♑ *Capricornus* knees, ♒ *Aquarius* leggs, ♓ *Pisces* the feet.

UNIVERSITY CAMBRIDGE

The Character of the 7. Planets.

♄ *Saturne*, ♃ *Jupiter*, ♂ *Mars*, ☉ *Sol*, ♀ *Venus*, ☿ *Mercury*, ☽ *Luna*.

☊ The *Node* ascendent, commonly called the Dragons head, ☋ the *Node* descending commonly called the Dragons tayle.

The Characters of the Aspects both old and new.

☌ A Conjunction is when 2. Planets are in one Signe and degree.

SS. A semisextile is when 2. Planets are distant one signe.

⚹. A Sextile is when they are distant two signes.

Q. A Quintile is when they are distant 2. signes, and 12. degrees.

□. A Quartell is when they are distant 3. signes.

Td. A Tredicele is when they are distant 3. signes, 18. degrees.

△. A Trine is when the Planets are distant 4. signes.

Bq. A Biquintile is when they be distant 4. signes, 24. deg.

VC. A Quincunx is when they be distant 5. signes.

☍. An Oppositon is when Planets are distant 6. signes.

The glorious Planate *Venus* is an evening starre from the beginning of the yeare, untill the 26. day of *June*, from thence to the yeares end she is a glittering morning starre, and to be seene in the East.

The Contents of the severall Columnes of this Kalender.

IN the head of every Month under the name thereof, is set forth the Change, Full, and Quarters of the Moone.

Then below that in the first and second Columne are the dayes of the Month, and dayes of the Week, according to the old English accompt, G being the Sunday Letter; and in the last Colume next the right hand is contained the accompt used beyond the Sea, C. being their Sunday letter.

In the third Colume is contained the Feastivall dayes, and other dayes of note, used for keeping of Fayres, the beginning and ending of the Termes, and also the Suns enterance into the 12. signes of the Zodiack.

In the fourth Columne is contained the place of the Moone every day at noone, commonly called the place of Signe.

In the fifth Columne is contained the Moones age.

In the sixth Columne is contained the places of the six Planets at Noone for severall dayes of the Month, and also the Aspects of the Planets one with another, also the place of the Dragons Head.

In the seventh Columne is contained the houre and minute of the Suns rising for every day in the yeare.

For the better understanding of the sixth Columne note this by way of example, against the first of January in the same sixth Columne you shall finde Saturne in 10. degrees, and 10. minutes of Gemini, and the 13. day you shall finde Jupiter in 9. degrees, and 21. minutes of Libra; Against the 5. of January you shall finde a conjunction of Venus and the Moone at 2. a clock in the forenoone, for note this alwaies, that *a* standeth for *ante*, or before noone, and *p* standeth for *post*, or afternoone, so on the 31 day is a conjunction of ☿. ☽. at 2. a clock in the afternoone.

● New Moon the 2. day, at 14. minutes past 11 at night.
☽ First Quarter the 10. day, at 7. min. past 8. at night.
○ Full Moon the 18. day, at 22. min. after 1. in the morn.
☽ Last Quarter the 25 day, at 30. min. past 8. in the morning

1	a	Circum. Chr.	Capr.	3	28	♄ in ♓ 10. 10	8	2		11
2	b	✠ S. Stephen	Capr.	15	●	☿ in ♒ 9. 12	8	0		12
3	c	✠ S. John	Aqua.	0	1	♂ in ♍ 16. 47	7	58		13
4	d	✠ Innoc.	Aqua.	13	2	☉ in ♑ 24. 54	7	57		14
5	e	Telesphorus	Aqu.	26	3	♂ ♀ ☽ 9. a.	7	6		15
6	f	Epiphany	Pisces	9	4	♌ ♂ ☽ 2. a.	7	55		16
7	g	Sun. aft. Ep.	Pisc.	21	5	♀ in ♒ 27. 53	7	54		17
8	a	Lucian	Aries	3	6	♌ ☿ ☽ 11. p.	7	53		18
9	b	Agape Vir.	Aries	15	7	☿ in ♑ 7. 46.	7	52		19
10	c	Tebeth ♒	Aries	27	8	□ ☿ ♀ 4.	7	50		20
11	d	Atlas	Taur.	9	9	♌ ♓ 12. 53	7	49		21
12	e	Satirius	Taur.	21	10	♄ in ♓ 9. 42	7	47		22
13	f	Hillary	Gem.	3	11	☿ in ♎ 9. 21. r	7	46		23
14	g	Sun. aft. Ep.	Gem.	15	12	♂ ♄ ☽ 3. a.	7	45		24
15	a	Maure	Gem.	28	13	□ ☿ ☽ 20	7	44		25
16	b	Marcel	Canc.	11	14	♌ ♀ 12. p.	7	42		26
17	c	Anthony	Canc.	24	15	♂ in 16. 2. ♍ r	7	41		27
18	d	Prisca	Leo	8	16	☉ in ♒ 9. 9	7	39		28
19	e	Wolstan	Leo	22	17	♀ in ♓ 12. 38	7	38		29
20	f	Sebastian	Virg.	6	18	□ ♄ ☽ 5.	7	36		30
21	g	Septuagesim.	Virg.	21	19	♂ ♌ ☽ 2. a.	7	34		31
22	a	Vincent	Libra	5	20	♂ ☿ ☽ 7. a.	7	32		
23	b	Terme begi.	Libr.	19	21	□ ♀ ☽ 15. a.	7	31		2
24	c	Timothy	Scor.	4	22	☿ in ♑ 29. 20	7	30		3
25	d	Conv. of Paul	Scor.	18	23	♌ in ♓ 11. 50	7	28		4
26	e	Polycarpus	Sagit.	2	24	☽ cum ♍	7	25		5
27	f	Julian	Sagit.	25	25	♌ ♄ ☽ 5. a.	7	25		6
28	g	Sexagesima	Sagit.	29	26	□ ♀ ☽ 2. a.	7	23		7
29	a	Theodore	Capr.	12	27	□ ☿ ☽ 5. a.	7	21		8
30	b	Basill	Capr.	25	28	△ ♄ ♀ 9. p.	7	20		9
31	c	Victor	Aqua.	9	29	♂ ♀ ☽ 2. p.	7	18		10

● New Moon the 1. day, at 2. and 27. min. after noone.
☽ First Quarter the 9. day, at 48. min. past 4. afternoone.
○ Full Moone the 17. day, at 1. and 21. min. in the night.
☽ Last Quarter the 23. day, at 13. min. past 5. afternoone.

1	d	Bridget	Aqu. 22	●	♄ 9. 26. ♓	7	17	11
2	e	Purific. Mary	Pisces 4	1	♆ ♎ 8. 44	7	16	12
3	f	Blase	Pisc. 17	2	☌ ☌ ☽ 1. a	7	14	13
4	g	Shrove Sund.	Pisc. 29	3	☌ ☌ ☽ 5. p	7	13	☾ 14
5	a	Agathe	Aries 11	4	☽ Apog.	7	11	15
6	b	Amandus	Aries 23.	5	☌ ♍ 10. 32	7	10	16
7	c	Augustine	Taur. 5	6	☉ ♒ 29. 24	7	8	17
8	d	Paul Bish.	Taur. 17	7	☿ ♈ 6. 57	7	6	18
9	e	Quinquag.	Tau. 29	8	☿ ♒ 25. 41	7	4	19
10	f	Apoline	Gem. 11	9	☌ ♄ ☽ 1. a	7	2	20
11	g	Quadrages.	Gem. 23	10	☌ ♓ 11. 57	6	59	☾ 21
12	a	Lenne ends	Canc. 5	11	□ ♆ ☽ 3. p	6	58	22
13	b	Wolfran	Can. 18	12	♄ ♓ 9. 37	6	56	23
14	c	Valentine	Leo	13	☌ Orident	6	55	24
15	d	Faustine	Leo 10	14	☿ Orident	6	54	25
16	e	Juliana	Virg. 1	15	☌ ☌ ☽ 9. p	6	53	26
17	f	Constance	Virg. 15	16	☍ ☿ ☽ 2. a	6	51	27
18	g	2 Sun. in Lent	Virg. 30	17	☌ ♆ ☽ 1. p	6	49	☾ 28
19	a	Sabin	Libr. 15	18	☽ Perig.	6	46	
20	b	Mildred	Libr. 29	19	☍ ☿ ☽ 8. p	6	44	2
21	c	69 Martyrs	Scor. 14	20	♆ ♎ 7. 4	6	42	3
22	d	Peters chaire	Scor. 28	21	☌ ♍ 4. 17	6	40	4
23	e	Serenus	Sagit. 12	22	☉ ♓ 16. 27	6	38	5
24	f	Matthias Ap.	Sagit. 26	23	☿ ♈ 26	6	35	6
25	g	3 Sun. in Lent	Capr. 5	24	☿ ♓ 25. 51	6	32	7
26	a	Alexander	Capr. 22	25	□ ☿ ☽ 11	6	30	☾ 8
27	b	Aug Bish.	Aqu. 5	26	♄ ♓ 10. 12	6	27	9
28	c	Roman	Aqu. 18	27	♆ ♎ 6. 13	6	24	10

● New Moone the 3. day, at 6. and 47. min. in the morn.
☽ First Quar. the 11. day, and halfe an houre before noon.
○ Full Moone the 18. day, about 11. clock before noone.
☽ Last Quarter the 25. day, at 56. min. past 2. in the morn.

1	D	David	Pisces	1	23	☌ ☌ ☽	1. p	6	23	11
2	E	Chad	Pisc.	13	29	☌ ♆ ☿	6. p	6	20	12
3	F	Maximus	Pisc.	25	●	♄ ♊	10. 26	6	18	13
4	G	4Sun.in Lent	Aries	8	1	☌ ☿ ☽	2. p	6	16	14
5	A	Eusebius	Aries	20	2	☌ ♍	0. 39	6	14	15
6	B	Fridelin	Taur.	1	3	☉ ♓	26. 24	6	11	16
7	C	S. Tho. Aquin.	Taur.	13	4	☌ ☾ ☽	1. a	5	9	17
8	D	Pontius	Taur.	25	5	☿ ♉	10. 0.	5	6	18
9	E	Alexander	Gem.	7	6	☌ ♄ ☽	7. p	6	3	19
10	F	☉ enters ♈	Gem.	19	7	☿ ♈	18. 35	5	0	20
11	G	5Sun.in Lent	Cinc.	1	8	♌ ♊	9. 22	5	58	21
12	A	Gregory	Canc.	15	9	☐ ☿ ☽	12. p	5	57	22
13	B	Lucie virg.	Canc.	27	10	△ ☉ ☽	11. p	5	56	23
14	C	Longinus	Leo	10	11	♆ Occide		5	54	24
15	D	Valerian	Leo	24	12	☌ ☌	6. p	5	52	25
16	E	Sapientia	Virg.	8	13	☐ ♄ ☽	5. p	5	50	26
17	F	Gertrude	Virg.	23	14	△ ☿ ☽	6. p	5	48	27
18	G	Palme Sund.	Libr.	8	15	☌ ♆ ☽	4. a	5	46	28
19	A	Josephus	Libr.	23	16	☽ Perig.		5	44	29
20	B	Cuthert	Scorp.	8	17	♄ ♊	11. 38	5	42	30
21	C	Benedictus	Scor.	23	18	♆ ♎	3. 38	5	40	31
22	D	Aphrodisius	Sagit.	8	19	☌ ♄ ☽	5. p	5	38	
23	E	Victoria	Sagit.	22	20	☐ ☌ ☿	8.	5	37	2
24	F	Botolph	Capr.	6	21	☐ ♆ ☽	6. p	5	36	3
25	G	Annun. Mary	Capr.	19	22	☌ ♌	27. 17	5	34	4
26	A	& Easter day	Aqu.	2	23	☉ ♈	15. 17	5	32	5
27	B	Int. Reg. C.B.	Aqu.	15	24	☿ ♊	1. 24	5	30	6
28	C	Dorothie	Aqu.	28	25	☐ ☿ ☽	9. p	5	28	7
29	D	Eustachius	Pisc.	10	26	☿ ♈	22. 24	5	26	8
30	E	Guido abbas	Pisc.	22	27	☿ Orient		5	24	9
31	F	Adelme	Aries	4	28	☌ ☉ ♃	9. a	5	22	10

● New Moone the 1. day, at half an houre past 11. at night.
☽ First Quarter the 10. day at 33. min. past 1. in the night.
○ Full moone the 16. day, at 10. min. past 7. at night.
☽ Last Quarter the 23. day, at 2. in the afternoone.

1		Low Sunday	Aries 16	●	☌ ☿ ☽ 7. p	5	20	☾	1		
2	a	Mary	Aries 28	1	☽ Apog.	5	18		1		
3	b	Richard	Taur. 10	2	♄ ♊ 12. 58	5	16		1		
4	c	Ambroſe	Taur. 22	3	♃ ♎ 1. 56	5	14		1		
5	d	Vincent	Gem. 4	4	☌ ♌ 27. 37	5	12		1		
6	e	Irenus	Gem. 16	5	☌ ♄ ☽ 6. a.	5	10		1		
7	f	Egeſippus	Gem. 28	6	☌ ☊. ☿ 5. p.	5	7		1		
8		2 Sun. at. Eaſt.	Canc. 10	7	□ ☿ ☽ 10. p	5	4	☾	1		
9	a	Ember. ☧	Canc. 23	8	✶ ☿ ☿ 10. p	5	2		1		
10	b	Leo	Leo 6	9	☉ ☌ 0. 45	5	0		2		
11	c	Lætin begins	Leo 19	10	☿ ♊ 18. 11	4	58		2		
12	d	Oſwald	Virgo 3	11	☌ ☌ ☽ 3. a	4	57		2		
13	e	Juſtinus	Virg. 17	12	□ ♄ ☽ 6. p	4	55		2		
14	f	Tibertius	Libra 2	13	☌ ♃ ☽ 0. a	4	53		2		
15		3 Sun. af. Eaſt.	Libr. 17	14	☿ ♈ 14. 42	4	54		2		
16	a	Iſodore	Scorp. 2	15	☽ Perig.	4	53		2		
17	b	Coſmy	Scor. 17	16	♌ ♊ 6 50	4	52		2		
18	c	Quintine	Sagit 2	17	♊ ☌ ☽ 7. a	4	50		2		
19	d	Timotheus	Sagi. 17	18	♌ ♄ ☽ 7. a	4	48		2		
20	e	Simeon	Capr. 1	19	♌ ☿ ☽ 2. a	4	46		3		
21	f	Sother Vir.	Capr. 15	20	□ ☿ ☽ 1. p	4	44				
22		4 Sun. af. Eaſt	Capr. 29	21	♄ ♊ 15. 3	4	42		1		
23	a	George	Aqu. 12	22	♃ ♎ 0. 14	4	40				
24	b	Wilfride	Aqu. 25	23	□ ♃ ☿ 5. p	4	35		3		
25	c	Mark Evan.	Piſc. 7	24	☌ ♍ 1. 27.	4	37				
26	d	Clete	Piſc. 19	25	☉ ☌ 16. 13	4	35				
27	e	Anaſtatius	Aries 1	26	☿ ♋ 2. 39.	4	33				
28	f	Vitalis	Aries 13	27	☿ ♈ 21. 44	4	31				
29		Rogat Sun.	Aries 25	28	☌ ☿ ☽ 5. a.	4	27	☾			
30	a	Peter Mil.	Taur. 7	29	☽ Apog.	4	23				

● New Moone the 1. day, 53 min. p. 8 a clock afternoon.
☽ First Quarter the 9. day, 44. min. after 11. before noone.
○ Full Moone the 16. day, 42. min. past 2. in the morning.
☽ Last Quarter the 23. day, 43. min. after 2. in the morning.
● New Moon the last day, at 7. a clock in the morning.

1	b	Philip Jacob	Taur. 19	●	♄ ☊ 10. ☌	4	22		11
2	c	Athanasius	Gem. 1 1		☿ ♍ 29. 45	4	21		12
3	d	Inuention day	Gem. 13 2		♄ ☽ ☍ 5. p	4	20		13
4	e	Florian	Gem. 26 3		☾ ♃ ☽ ☌. p	4	19		14
5	f	Gotherd	Canc. 7 4		☍ ♀ ☽ 4. p	4	17	☾	15
6	g	2 Sun. af. Eas.	Canc. 19 5		☍ ♍ 4. 57	4	15		16
7	a	Peter Cleme.	Leo 2 6		☉ ♉ 26. 48	4	13		17
8	b	Stanislaus	Leo 15 7		♀ ♋ 11. 44	4	12		18
9	c	Gregory Bish.	Leo 28 8		♀ ♉ 5. 9	4	11		19
10	d	Ascen. of Ch.	Virg. 12 9		☍ ☍ ☽ 1. a	4	10		20
11	e	Gordian	Virg. 26 10		☍ ♃ ☽ 4. p	4	9		21
12	f	Pancrat	Libr. 10 11		□ ☿ ☽ 6. p	4	7		22
13	g	Whit-Sunday	Libr. 25 12		♌ ☊ 7 45	4	6	☾	23
14	a	Bonifacie	Scor. 10 13		☽ Infra.	4	5		24
15	b	Sophia	Scor. 25 14		♃ ♍ 29. 27	4	3		25
16	c	Peregrine	Sagit. 10 15		☌ ♄ ☽ 11. p	4	2		26
17	d	Torpetus	Sagit. 25 16		♄ ☊ 18. 6	4	1		27
18	e	Venantius	Capr. 10 17		☍ ♍ 9. 35	3	59		28
19	f	Dunstan	Capr. 24 18		☌ ♀ ☽ 2. a	3	58		29
20	g	Trin. Sunday	Aqu. 7 19		☉ ☊ 9. 15	3	56	☾	30
21	a	Nicheta.	Aqu. 21 20		□ ☿ ☽ 9. p	3	55		31
22	b	Helen	Pisc. 3 21		□ ☉ ☌ 6. p	3	54	June	
23	c	Desiderius	Pisc. 16 22		☌ ☍ ☽ 2. p	3	53		1
24	d	*Corpus Christi*	Pisc. 28 23		☌ ♃ ☽ 2. p	3	53		3
25	e	Urbane	Aries 10 24		☿ ☊ 3. 21	3	52		4
26	f	Bede	Aries 22 25		☿ ♋ 22. 2	3	52	☾	5
27	g	1 Sun. af. Tri.	Taur. 4 26		♌ ☊ 7. 4	3	52		6
28	a	German	Taur. 15 27		☽ Apog.	3	51		7
29	b	Maximinus	Taur. 25 28		☉ ☊ 17. 50	3	51		8
30	c	Wigandus	Gem. 9 29		☍ ☿ ☽ 10. p	3	50		9
31	d	Petronill	Gem. 22	●	☾ ☉ ♄ 8. p	3	50		10

☽ First Quarter the 7. day, 52. min. past 6. at night.
● Full Moon the 14. day, 57. min. after 10. before noone.
☽ Last Quarter the 21. day, 9. min. after 6. at night.
● New Moone the 29. day, at 25 min. after 8. at night.

1	g	Nichomede	Canc. 4	1	☌ ♄ ☿ 8. p	3	50		11
2	f	Marceline	Canc 15	2	☌ ☉ ☿ 12. p	3	49		12
3		2 Sun.aft.trin	Canc.29	3	♄ ♊ 20. 21	3	49		13
4	a	Petronius	Leo 12	4	♃ ♍ 29. 59	3	49		14
5	b	Boniface	Leo 25	5	☌ ♍ 17. 48	3	48		15
6	c	Claudius	Virg. 9	5	□ ♃ ☿ 4. p	3	48		16
7	d	Wolftan	Virg.22	7	☌ ♃ ☽ 4. a	3	48		17
8	e	Medard	Libr. 6	8	☌ ♃ ☽ 1. a	3	47		18
9	f	Flecian	Libr. 20	9	☉ ♊ 28. 19	3	47		19
10	g	3 Sun.aft trin	Scor. 5	10	☌ ♋ 23. 23	3	47		22
11	a	Quatuor	Scor. 19	11	☽ Perig.	3	47		21
12	b	Basil Bishop.	Sagit. 4	12		3	47		22
13	c	Vitus &c.	Sagit. 19	13	☌ ♄ ☽ 4 p	3	47		23
14	d	Valerius	Capr. 3	14	☿ ♋ 10. 33	3	47		24
15	e	Virus	Capr. 18	15	☌ ☿ ☽ 6. p	3	48		25
16	f	Rouland	Aqu. 2	16	☌ ☿ ☿ 6. p	3	48		26
17	g	4 Sun.aft.trin	Aqu. 16	17	☉ ♋ 5. 55	3	48		27
18	a	Homerus	Aqu 29	18	♄ ♊ 22. 19	3	49		28
19	b	Gervase	Pisc. 12	19	♃ ♍ 1. 5	3	49		29
20	c	Silverius	Pisc. 24	20	☌ ♍ 25. 29	3	49		03
12	d	Ursula	Aries 6	21	☌ ♃ ☽ 12. p	3	50		July
22	e	Albane	Aries 19	22	☉ ♋ 10. 41	3	50		2
23	f	Etheldred	Taur. 1	23	☿ ♋ 17. 46	3	51		3
24	g	John Baptist	Taur. 12	24	☽ Apog.	3	52		4
25	a	Eligius	Tau. 24	25	☿ ♌ 5. 36	3	53		5
26	b	John & Paul	Gem. 6	26	♌ ♊ 5. 27	3	53		6
27	c	7 Sleepers	Gem. 18	27	☌ ☉ ☿ 8. a	3	54		7
28	d	Leo Bish.	Canc. 1	28	☉ ♋ 15. 24	3	55		8
29	e	Peter Apost	Canc.13	●	☌ ☿ ☽ 1. p	3	56		9
30	f	Com. Paul.	Canc.26	1		3	55		10

☽ First Quarter the 6. day, 21. min. after midnight.
○ Full Moon the 13. day, 33. min. after 7. at night.
☽ Last Quar. the 21. day, at 17. min. aft. 11. in the forenoon.
● New Moon the 29. day, at 8. a clock in the forenoon.

1	♋	5	Sun. aft. trin	Leo	5	2	☌ ☿ ☽ 10. p	3	57	♌ 11
2	g		Visita. Mary	Leo	22	3	☌ ♃ ☌ 22. p	3	57	12
3	h		Hyachatus	Virg.	5	4	♄ ♊ 24. 10	3	58	13
4	k		Viricus	Virg.	19	5	♃ ♎ 2. 47	3	59	14
5	l		Zoe Virgin	Libr.	3	6	☌ ♃ ☽ 11. a	4	0	15
6	m		Hector	Libr.	17	7	☌ ♎ 4. 24	4	2	16
7	n		Tran. Bec.	Scor.	1	8	☉ ♋ 24. 58	4	3	17
8	♋	6	Sun. aft. trin	Scor.	15	9	☽ Perig.	4	5	♍ 18
9	p		Brethe. Ma.	Scor.	29	10	☿ ♋ 8. 34	4	6	19
10	q		Chilianus	Sagit.	13	11	☿ ♌ 25. 22	4	8	20
11	r		Pius	Sagit.	28	12	☌ ♄ ☽ 6. a	4	9	21
12	s		☉ enters ♑	Capr.	12	13	☍ ☿ ☽ 3. a	4	11	22
13	t		Nabor	Capr.	26	14	☉ ♌ 0. 41	4	12	23
14	u		Bonaventer	Aqu.	10	15	♄ ♊ 25. 28	4	13	24
15	♋	7	Sun aft. trin	Aqu.	24	16	♃ ♎ 4. 19	4	14	♎ 25
16	a		Osmund	Pisc.	7	17	☌ ♎ 10. 17	4	15	26
17	b		Kenelme	Pisc.	20	18	□ ♄ ☽ 10. p	4	16	27
18	c		Rosina	Aries	2	19	☍ ♃ ☽ 4. p	4	17	28
19	d		Dog da. Leg.	Aries	14	20	☉ ♌ 6. 25	4	18	29
20	e		Elias	Aries	26	21	☿ ♋ 6. 35	4	19	30
21	f		Daniel	Taur.	8	22	☽ Apog	4	20	31
22	♋	8	Sun. aft. trin	Tau.	20	23	☿ ♍ 2. 46	4	21	♏ 1
23	h		Apoline	Gem.	2	24	♌ ♊ 3. 27	4	23	2
24	k		Christine	Gem.	14	25		4	25	3
25	l		James apost.	Gem.	26	26	☌ ♄ ☽ 12	4	27	4
26	m		Anne	Canc.	8	27	☌ ☿ ☽ 9. a	4	29	5
27	n		Martha	Canc.	21	28	☉ ♌ 14. 5	4	30	6
28	p		Sampson	Leo	4	29	♄ ♊ 26. 59	4	32	7
29	♋	9	Sun. aft. trin	Leo	18	●	♃ ♎ 6. 45	4	34	8
30	a		Abdon	Virg.	1	1	☌ ☿ ☽ 11. a	4	36	9
31	b		German	Virg.	15	2		4	38	10

☽ First Quarter the 5. day. 36. min. after 5. in the morning.
● Full Moone the 12. day. 12. min. after 6. in the morning.
☽ Laſt Quarter the 20. day, 37. min. aft. 5. in the morning.
● New Moon the 27. day, 27. min. aft. 4. in the afternoon.

1	c	Lammas day	Virg. 29	3	☽ ☌ ☽ 12. p	4	39	11
2	d	Steven	Libr. 13	4	☽ ☌ ☽ 12. p	4	40	12
3	e	Dominicus	Libr. 28	5	☽ Perig.	4	43	13
4	f	Juſtin	Scor. 12	6	♄ ♊ 27. 39	4	44	14
5	g	10. Sun. af. tri.	Scor. 26	7	♃ ♎ 7. 49	4	66	15
6	a	Sixtus	Sagit. 10	8	☽ ♎ 23. 15	4	48	16
7	b	Victricius	Sagit. 24	9	☽ ☉ ☿ 11. p	4	50	17
8	c	Cyriack	Capr. 8	10	☿ Orient.	4	52	18
9	d	Roman	Capr. 21	11	☉ ♑ 26. 34	4	54	19
10	e	Laurence	Aqu. 5	12	☿ ♋ 14. 43	4	56	20
11	f	Tyburtius	Aqu. 19	13	☿ 22. 24. ♑	4	58	21
12	g	11 Sun. af. trin.	Piſc. 2	14	♑ ♊ 1. 4	4	59	22
13	a	[illegible]	Piſc. 15	15		5	1	23
14	b	Euſeby	Piſc. 28	16		5	3	24
15	c	Aſſum. Mary	Aries 10	17	☌ ♃ ☽ 10. a	5	5	25
16	d	Roch	Aries 22	18		5	6	26
17	e	Agapitus	Taur. 4	19	☌ ☍ ☽ 2. a	5	8	27
18	f	Helen Quee.	Taur. 16	20	☽ Apog.	5	10	28
19	g	12 Sun. af. trin	Taur. 28	21	☉ ♍ 6. 14	5	12	29
20	a	Lewes	Gem. 10	22	♄ ♊ 28. 56	5	14	30
21	b	Primaſius	Gem. 22	23	♃ ♎ 10. 38	5	16	31
22	c	Symphorian	Canc. 4	24	☍ ♄ ☽ 1. a	5	18	
23	d	Zacheus	Canc. 16	25	☍ ♍ 4. 18	5	20	2
24	e	Bartholomew	Canc. 29	26	☍ ☌ ☽ 4. a	5	22	3
25	f	Lodowick	Leo 12	27	☉ ♍ 12. 3	5	23	4
26	g	13 Sun. af. trin	Leo 26	28	☍ ☿ ☽ 9. a	5	25	5
27	a	[illegible]	Virg. 10	●	☌ ♋ 28. 8	5	28	6
28	b	Auſtine	Virg. 24	1	☿ ♑ 27. 41	5	30	7
29	c	John behea.	Libra 9	2	☍ ♃ ☽ 5. p	5	31	8
30	d	Felix	Libr. 23	3	☽ Perig.	5	33	9
31	e	Paulinus	Scorp. 8	4	☽ ☍ ☽ 2. p	5	35	10

First Quar. the 3. day, 38. min. after 11. in the forenoon.
Full Moone the 10. day, 35. min. after 6. in the afternoon.
Laſt Quarter the 18. day, 45. min. after 11. at night.
New Moon the 26. day, 55. min after 3. in the morning.

1	f	Giles	Scor. 22	5	♄ ♊ 29. 39	5	37		11
2	g	15 Sun. af. Tr	Sagit. 7	6	♃ ♎ 13. 16	5	40		12
3	a	Gregory	Sagi. 21	7	♂ ♍ 11. 40	5	42		13
4	b	Theodore	Capr. 4	8	☉ ♍ 21. 47	5	44		14
5	c	Bertine	Capr. 18	9	☿ ♌ 6. 35	5	45		15
6	d	Euginius	Aqu. 1	10	☿ ♍ 12. 44	5	47		16
7	e	Regina	Aqu. 15	11	♌ ♊ 1. 35	5	49		17
8	f	Nativ. of Ma	Aqu. 21	13		5	50		18
9	g	16 Sun. af. Tr.	Pisc. 11	13		5	52		19
10	a	Silvius	Pisc. 24	14	♂ ☿ ☽ 3. a	5	53		20
11	b	Martin	Aries 6	15	♄ ♋ 0. 11	5	55		21
12	c	☉ enters ♎	Aries 18	16	□ ☉ ♄ 12. p	5	0		22
13	d	Amantius	Taur. 1	17	☽ Apog.	6	2		23
14	e	Exalt. Croſſe	Taur. 13	18	♃ ♎ 15. 48	6	4		24
15	f	Nichodem 25	Taur. 25	19	♂ ♍ 19. 59	6	6		25
16	g	17 Sun. af. Tr.	Gem. 6	20		6	8		26
17	a	Lambert	Gem. 18	21		6	10		27
18	b	Ferreolus	Gem. 30	22	♂ ♄ ☽ 12	6	12		28
19	c	January	Canc. 12	23	♂ ☉ ☿ 4 p.	6	14		29
20	d	Euſtace	Canc. 24	24	☉ ♎ 7. 29	6	16		30
21	e	Matthew Ap	Leo 7	25	☿ ♌ 23. 5	6	18		Oct.
22	f	Victor	Leo 20	26	♂ ☿ ☽ 6. p.	6	20		1
23	g	18 Sun. af. Tr.	Virg 4	27	☿ ♎ 13. 23	6	22		2
24	a	Andocheus	Virg. 18	28	□ ♂ ☿ 1. p.	6	24		3
25	b	Fermin	Libr. 3	29	♂ ♃ ☿ 21. p.	6	26		4
26	c	Cyprian	Libr. 18	●	♂ ☿ ☽ 1. p.	6	28		5
27	d	Coſme	Scor. 2	1	☽ Perig.	6	30		6
28	e	Auguſtin	Scor. 17	2	☉ ♎ 15. 24	6	31		7
29	f	Mich. Arch	Sagit. 2	3	♂ ♂ ☽ 7. a.	6	32		8
30	g	[illegible]	Sagit. 17	4		6	34		9

☽ First Quarter the 2, day, 44. min. after 7. at night.
Full Moone the 10. day, 8. min. before high noon.
☽ Last Quarter the 18. day, 22. min. after 4. at night.
New Moone the 25. day, 48. min. aft. 4 in the afternoon.

1	a	Remigius	Capr. 1	5			6	35	11
2	b	Leodegar	Capr. 15	6	♂ ☉ ♆ 8. p		6	37	12
3	c	Candid	Capr. 28	7	♄ ♋ 0. 41		6	40	13
4	d	Francis	Aqu. 12	8	♆ ♎ 20. 7		6	42	14
5	e	K. Char. e. f. S	Aqu. 26	9	♂ ♐ 4. 16		6	44	15
6	f	Faith Virg.	Pisc. 8	10	♂ ♃ ☽ 3. p		6	45	16
7	g	20 Sun. af. tri.	Pisc. 20	11	☉ ♎ 24. 21		6	48	17
8	a	Pelagius	Aries 3	12	☿ ♍ 11. 52		6	50	18
9	b	Dionysius	Arie. 15	13	☿ ♏ 9. 20		6	52	19
10	c	Gedeon	Aries 27	14	♏ ♉ 28. 7		6	54	20
11	d	Burchard	Taur. 9	15	☽ Apog.		6	56	21
12	e	Cosman	Taur. 21	16			6	58	22
13	f	☉ enters ♎	Gem. 3	17	♂ ♂ ☽ 2. a		7	0	23
14	g	21 Sun. af. tri.	Gem. 14	18	♂ ♄ ☽ 7. p		7	2	24
15	a	Audery	Gem. 26	19			7	4	25
16	b	Gallus	Canc. 8	20			7	6	26
17	c	Florentinus	Canc. 20	21	□ ♆ ☽ 4. p		7	8	27
18	d	Luke Evang.	Leo 3	22	☉ ♍ 5. 20		7	10	28
19	e	Fridiswid	Leo 15	23	♄ ♋ 0. 27		7	12	29
20	f	Sindulph	Leo 29	24	♆ ♎ 23. 34		7	14	30
21	g	22. San af. tri.	Virg. 12	25	♂ ♐ 16. 2		7	15	31
22	a	Cordula	Virg. 24	26	♂ ♀ ☽ 1. p		7	17	Nov.
23	b	Leonburgus	Libr. 11	27	☉ ♍ 10. 22		7	19	2
24	c	Salome	Libr. 20	28	♂ ♆ ☽ 9. a		7	20	3
25	d	Crispin	Scor. 11	●	♀ ♎ 1. 41		7	22	4
26	e	Black Fri. fall	Scor. 26	1	♀ ♐ 4. 30		7	24	5
27	f	Florence	Sagit. 11	2	♂ ♀ ☽ 2. a		7	26	6
28	g	Simon & Jude	Sagit. 24	3	♂ ♂ ☽ 3. a		7	28	7
29	a	Narcissus	Capr. 10	4	□ ☽. ☽ 3. a		7	30	8
30	b	Theone	Capr. 25	5	□ ♆ ☽ 1. p		7	32	9
31	c	Quintin	Aqua. 8	6			7	33	10

☽ First Quarter the 1. day, 43. min. aft. 6. in the morning.
○ Full Moone the 9. day, 38. min. aft 6. in the morning.
☽ Last Quarter the 17. day, 50. min. aft. 6. in the morning.
● New Moone the 23. day, 32. just at midnight.
☽ First Quarter the 30. day 23. min. after 8. at night.

1	d	All Saints	Aqu. 2	7	♄ ♊ 29. 53	7	34		11	
2	e	All Soules	Pisc. 3	8	☿ ♎ 26. 21	7	36		12	
3	f	Theophilus	Pisc. 17	9	♂ ♐ 25. 46	7	38		13	
4	g	24 Sun. af. tri.	Pisc. 30	10	☉ ♍ 22. 28	7	39		14	
5	a	Powder Tre	Aries 12	11	♂ ☽ 5. p	7	40		15	
6	b	Leonard	Aries 24	12	♂ ☿ ☽ 5. p	7	42		16	
7	c	Florence	Taur. 6	13	♀ ♎ 17. 12	7	43		17	
8	d	Claudius	Taur. 18	14	☿ ♐ 18. 27	7	45		18	
9	e	Theodorus	Taur. 30	15	♏ ♉ 26. 23	7	46		19	
10	f	Justus	Gem. 11	16		7	48		20	
11	g	☉ enters ♐	Gem. 25	17	♂ ♄ ☽ 11. p	7	49		21	
12	a	Patern	Canc. 5	18	♂ ♂ ☽ 5. a	7	50		22	
13	b	Brice	Can. 17	19		7	52		23	
14	c	Fredrick	Can. 29	20	□ ☿ ☽ 9. a	7	53		24	
15	d	Macute	Leo 12	21	☉ ♐ 3. 37	7	55		25	
16	e	Othmarus	Leo 25	22		7	56		26	
17	f	Init. R. Eliz.	Virg. 8	23	♂ ☿ ☿ 1. p	7	57		27	
18	g	26 Sun. af. tri.	Virg. 21	24	♄ ♊ 28. 47	7	58		28	
19	a	Mary Mag.	Libr. 5	25	☽ ♎ 25. 46	7	58		29	
20	b	Agapius	Libr. 19	26	♂ ♍ 8 46	8	0		30	
21	c	Mary	Scor. 4	27	♂ ☿ ☽ 4. a	8	1		Dec. 1	
22	d	Cycily	Scor. 19	28	☽ Perig.	8	2		1	
23	e	Clements	Sagit. 4	●	☉ ♐ 11. 45	8	3		2	
24	f	Crisogon	Sagit. 19	1	♂ ☉ ☿ 14. p	8	4		3	
25	g	27 Sun. af. tri.	Capr. 4	2		8	5		4	
26	a	Line Bish.	Capr. 19	3	♂ ☿ ☽ 1. a	8	6		5	
27	b	Maximus	Aqu. 3	4	☿ ♍ 11. 29	8	6		6	
28	c	Jesus circ.	Aqu. 17	5	☿ ♐ 7. 35	8	7		7	
29	d	Saturne	Pisc. 1	6	□ ☿ ☽ 9. p	8	8		8	
30	e	Andrew Ap.	Pisc. 14	7		8			9	

Full Moon the 9. day, 11. min. after 2. in the morning.
Laſt Quarter the 16. day, a little before 7. at night.
New Moone the 23. day, at 11. a clock in the forenoon.
First Quarter the 30. day, 42. min. paſt 11. afternoone.

1	f	Loy Biſh.	Piſc. 27	8	♄ ♊ 27. 45	8	10	11	
2	g	Advent Sun	Aries 9	9	♃ ♍ 2. 1	8	11	☾	12
3	a	Lucius	Aries 21	10	♂ ♍ 18. 53	8	12		13
4	b	Barbara vir.	Tau. 3	11	☉ ♐ 22. 59	8	13		14
5	c	Sabina	Tau. 15	12	♀ ♍ 21. 20	8	13		15
6	d	Nicholas	Tau. 27	13	☿ ♐ 4. 59	8	13		16
7	e	Ambroſ. Biſh	Gem. 8	14	☽. Apog.	8	13		17
8	f	Concep. Ma.	Gem. 29	15	☌ ☉ ♄ 1. p.	8	13		18
9	g	1 Sun. in Ad.	Can. 2	16	♂ ♄ ☽ 1. a.	8	13	☾	19
10	a	Melchiades	Can. 14	17	♌ ♉ 23. 56	8	13		20
11	b	☉ enters ♋	Can. 26	18		8	13		21
12	c	Paul	Leo 9	19	□ ♃ ☽ 1. a.	8	13		22
13	d	Lucie Virg.	Leo 22	20	♄ ♊ 26. 43	8	13		23
14	e	Nicaſius	Virg. 4	21	♃ ♍ 4. 11	8	13		24
15	f	Oſapientia	Virg. 18	22	♂ ♍ 28. 17	8	13		25
16	g	2 Sun. in Ad.	Libr. 1	23	☉ ♍ 5. 14	8	13	☾	26
17	a	Lazarus	Libr. 15	24	☌ ♐ 6. 11	8	12		27
18	b	Chriſtopher	Libr. 29	25	☌ ♃ ☽ 9. p.	8	12		28
19	c	Beſinus	Scor. 13	26	☿ ♐ 16. 42	8	11		29
20	d	Philip	Scor. 28	27		8	10		30
21	e	Thomas Ap.	Sagi. 13	28	☌ ♀ ☽ 8. a.	8	9		31
22	f	Theodorus	Sagi. 28	29	☌ ♄ ☽ 8. a.	8	8	Ja	
23	g	3 Sun. in Ad.	Cap. 12	●	☉ ♍ 12. 24	8	7	☾	2
24	a	Ignatius	Cap. 27	1	□ ♃ 11. p.	8	6		3
25	b	Nativit. Chr.	Aqu. 12	2	☌ ♂ ☽ 1. a.	8	5		4
26	c	Stephen	Aqu. 27	3	☌ ♄ ☿ 4. a.	8	5		5
27	d	John Evang.	Piſc. 9	4	♄ ♊ 25. 37	8	4		6
28	e	Innocents	Piſc. 22	5	♃ ♍ 6. 13	8	3		7
29	f	Thom. Becket.	Aries 5	6	♂ ♒ 9. 18	8	3	☾	8
30	g	James tranſ.	Aries 27	7	☉ ♍ 19. 33	8	2		9
31	a	Silveſter	Aries 29	8	☌ ♐ 21. 38	8	2		10

Partridge, 1649.

A
PROGNOSTICATION
for the yeer of our Lord
God 1649.

Being the first after the *Bissextile*,
or Leap-yeer.

Containing divers most necessary
and profitable Rules and Tables,
fitting and usefull for all sorts
of Men.

The Calculations Astronomicall being
fitted properly to the *Meridian* of the
City of *London*.

Collected, made and set forth according to Art,

By SETH PARTRIDGE, Surveyor, practitioner in the *Mathematicks*.

London, printed by *Thomas Brudenell*, for the
Company of STATIONERS.

ARTS MATHEMATICAL

Practiſed by this Author *Seth Partridge*, as here followeth.

ARITHMETICK

IN whole Numbers and Fractions, Dimall Arithmetick, Extraction of Roots ſquare and cubick, Aſtronomicall Fractions, Arithmaticall Rods, Arithmaticall Jewell, and Maſter *Wingates* moſt excellent Lines of Proportion.

GEOMETRY.

The principles thereof, with the practice and demonſtration, the meaſuring of any ſuperficiall or ſolid Content, as Board, Glaſſe, Timber, Stone, and the gauging of Veſſels, ſurveying of Land, and making and reducing of Plots and Maps to any deſired proportion, either greater or leſſer, and the deſcription and Plotting of Towns or Countries, the uſe of Inſtruments Mathematicall, *viz.* Quadrant, Theodlit, plain Table, Circumferenter, circular Scale, Semicircle, Peractor, Sector, Croſſe-ſtaffe, Geodeticall Staffe, and ſeverall others: the taking and meaſuring all manner of Heights, Depths, Lengths and Breadths.

TRIGONOMETRIA.

The Doctrine of plain and ſphericall Triangles, with the uſe of the Tables of Logarithmes, Sines, Tangents and Secants, both naturall and artificiall; the art of Dialling, both fixed and inſtrumentall; the art of Navigation, with the uſe of Maps and Charts.

ASTRONOMY.

The uſe of the Globe, Sphear and Aſtrolabe, and to calculate the motions of the cœleſtiall Orbs.

A Table of the four Termes and their Returns, with the Essoyn dayes, dayes of Exception, Returne brevium, and Appearance, this yeer 1649.

Hillary Term begins January 24. ends February 12.

Days of Return, or Essoyn.		*Dayes of Exceptiõ.*	*Returne breviam*	*Dayes of Appear.*
Octab. Hil.	*Jan.* 20.	21	22	23
Quind. Hil.	*Jan.* 27.	27	29	30
Craft. Purif.	*Febr.* 3.	3	5	6
Octab. Purif.	*Febr.* 9.	10	10	12

Easter Term begins April 11. ends May 7.

Quind. Pasch.	*Apr.* 9.	9	10	11
Tres Pasch.	*Apr.* 16.	17	18	19
Mens Pasch.	*Apr.* 24.	25	26	27
Quinq. Pasch.	*Apr.* 30.	30	*May* 1	*May* 1
Craft. ascen.	*May* 4.	5	5	7

Trinity Term begins May 25. ends June 13.

Craft. Trin.	*May* 21	22	23	25
Octab. Trin.	*May* 28	29	30	31
Quind. Trin.	*June* 4	5	6	7
Tres Trin.	*June* 11	12	13	13

Michaelmas Term begins October 23. ends November 28.

Tres Mich.	*October* 20	20	22	23
Mens Mich.	*October* 27	27	29	30
Craft. anim.	*November* 3	3	5	6
Craft. Martin.	*Nov.* 12	14	14	15
Octab. Martin.	*Nov.* 19	20	21	22
Quind. Martin.	*Nov.* 26	26	27	28

Note that the [illegible] which the dayes before and [illegible] and the [illegible] and the [illegible] the [illegible]

A plain

A plain and perfect Table, shewing the time of beginning, and continuance of the reign of each *King* and *Queen* in ENGLAND, since the Conquest; as also, how long it is since their Reign began, untill this yeer 1649. gathered forth of the best Chronicles, for the use of such as have occasion to make use of it.

Kings names	Beg. to reign	Time reigned.	Time since.
William Con.	1066. *Oct* 14	20.y.11.m.22.d	583. *Oct.* 18
Willia Rufus.	1087. *Sept.* 9	12.y.11.m.19.d	562. *Sept.* 9.
Henry 1	1100. *Aug.* 1	35.y. 4.m.11.d.	549. *Aug.* 1.
Stephen	1135. *Dec.* 2	18.y.11.m.19.d	514. *Dec.* 2.
Henry 2	1154 *Oct.* 25	34.y.9.m.2.d.	495. *Oct.* 25.
Richard 1	1189. *July* 6	9.y.9.m.12.d.	460. *July* 6.
King *John.*	1199. *Apr.* 6	17.y.17.m.0.d.	450. *Apr.* 6.
Henry 3	1216 *Oct.* 19	56.y.1.m.0.d.	433. *Oct.* 19.
Edward 1	1272 *Nov.* 16	34.y.8.m.6.d.	377. *Nov.* 16
Edward 2	1307. *July* 7	19.y.7.m.5.d.	342. *July* 7.
Edward 3	1326 *Jan.* 25	50.y.4.m.7.d.	323. *Jan.* 25
Richard 2	1377 *Jun.* 21	22.y.3.m.16.d	272. *June* 21
Henry 4	1399. *Sep.* 29	13.y.6.m.3.d.	250. *Sept.* 29
Henry 5	1414 *Mar.* 20	9.y.5.m.24.d.	237. *Mar.* 20
Henry 6	1422 *Aug.* 31	38.y.6.m.16.d.	227. *Aug.* 31
Edward 4	1460. *Mar.* 4	22.y.1.m.8 d.	189. *Mar.* 4.
Edward 5	1483. *Apr.* 9	0.y.2.m.18.d.	166. *Apr.* 9.
Richard 3	1413 *Jun* 22	2.y 2.m.5.d.	166 *June* 22
Henry 7	1485 *Aug.* 22	23.y.10.m.4.d.	164 *Aug.* 22
Henry 8	1509. *Apr.* 21	37.y.10 m.2.d.	134. *Apr.* 22
Edward 6	1547 *Jan.* 28	6.y.5.m.19.d.	103 *Jan.* 28
Queen *Mary*	1553. *July* 6	5.y.4.m.22.d.	96. *July* 6.
Q. *Elizabeth*	1558 *Nov.* 17	44.y 4 m.16.d.	91. *Nov.* 17.
King *James.*	1602 *Mar.* 24	22.y.0 m.3.d.	57. *Mar.* 24.
King *Charles*	1625 *Mar.* 27	*Vivat Rex.*	24. *Mar.* 27.

Astronomical

ASTRONOMICAL CALCULATIONS
for this present yeer 1649.

THe procession of the Equinoctial, or the distance of the first Star of *Aries* from the Equinoctial point, according to *Tycho Brah* and *Kepler*, is 28 degrees, 17. minutes, 48. seconds.

The greatest Obliquity of the Ecliptick is 28. degrees, 31. minutes, 30. seconds.

The Excentricity of the *Sun* is 3586. parts, such parts whereof the totall is 100000.

The Longitude of the *Sun* is 9. Signs, 21. degrees, 17. minutes, and 9. seconds.

The Apogæum of the *Sun* is in 6. degrees, 33. minutes. 26 seconds of *Cancer*

The true true length of the Tropical yeer is 365. days, 48. minutes, 55. seconds.

The Syderial or Starry yeer consisteth of 365. dayes, 6. hours, 9. minutes, 55. seconds.

The *Moon* is distant from the earth 48760 miles.

Mercury and *Venus* in their mean motion, are both distant from the earth as is the *Sun*, about whom they move circular, his Center being the Center of their Orbs.

The *Sun* is 140. times greater then the whole earth, and in his mean motion is distant from it 989000. miles; the whole compasse of his sphear is 6216571. miles; and in one hour he goeth 259023. miles, and in one minute of an hour 4316. miles: a motion too swift even for conceit to keep company.

Mars is distant from the earth 1500700. miles.

Jupiter is distant from the earth 3431400. miles.

Saturn is distant from the earth 9073000. miles.

The circumference of the earth, according to the old vulgar accompt is 21600. miles, and the Diameter thereof is $6875\frac{8}{11}$. miles: in the whole superficies of the earth are $14845090\frac{9}{11}$. square miles; and in the whole Globe 1700437685 95. cubick miles.

But

But by the diligent obſervations of our Country-man Mr *Norwood*, the circumference of the earth is proved to be 132 92000. feet, or perches 8011636. which is 25036. miles, according to our Engliſh meaſure: whereupon it followeth, that the Diameter of the earth is 4206091. feet, which is 7966. miles, and the Semidiameter 3983. miles, according to the ſame Engliſh meaſure.

Now of Engliſh meaſures, three Barley-corns make an Inch, twelve Inches make a Foot, three Foot make a Yard, five Yards and a half make a Perch, or Pole, which is ſixteen Foot and a half, forty Perches make a Furlong, eight Furlongs make a Mile.

Hence it followeth, that in a Mile in length are contained 320. Perches, or 1056. Paces, 1408 Ells, 1760. Yards, 5280. Feet, 63360 Inches, 190080. Barley-corns In a ſquare, that is, in a Mile every way, are 3097600. ſquare Yards, or 27878400. ſquare Feet, and of ſquare Inches 3914389600.

In a perfect ſquare, being one Perch every way, is contained ſquare Feet 272¼ and ſquare Inches 39204. and ſquare Yards 30. and one quartern.

In an Acre of Land are Perches 160. and ſquare Yards 4840 of ſquare Feet 43560. and of ſquare Inches 6272640.

The true ſide of a perfect ſquare Acre of land, is twelve Perches, ten Foot, 8$\frac{1}{2}$. Inches, and $\frac{479}{10019}$ of half an Inch, which is very neer to 1. part of 42. of an Inch.

In one Foot of Board are 144 Inches.

In one cubick Foot of Timber are 1728. cubick Inches.

Abrief Declaration of the four Quarters of this preſent yeer 1649. and firſt of VER. *or the Spring Quarter.*

THe Spring Quarter, being the firſt Quarter Aſtronomical, taketh its beginning at ſuch time as that glorious Lamp of light, the royall *Sun* maketh his entrance

into the first minute of the first Equinoctial Sign *Aries*, which this yeer will be on Saturday the 10. day of *March* at two a clock, and 21. min. in the morning: At this time the days and nights from Sun to Sun, be of equall length through all the world. This Quarter continueth until the *Sun* hath made his way through these three Signs *Aries*, *Taurus* and *Gemini*, ending on Monday the 11. day of *June*.

Æstas, *or the Summer Quarter.*

The Summer Quarter, being the second Quarter of the yeer Astronomical, beginneth at what time the *Sun*, having made his greatest approach towards these our Northern parts of the world; his greatest declination from the Equinoctial Line being 23. degr. 31. min. and 30. sec according to the exact observation of *Tycho Brah*, beginning again his journey back towards the South, entering into the first minute of the first Solstitial sign *Cancer*, which this yeer will be on Monday the 11. day of *June* at five a clock, 37 min: and 33 sec. in the forenoon, now making the dayes at the longest, and the nights at the shortest to all those people who inhabit towards the North of the Equinoctiall, and the contrary to those who live on the South side thereof. This Quarter continueth untill the *Sun* hath travelled through these three Signs, *Cancer*, *Leo* and *Virgo*, ending on Wednesday the twelfth of *September*.

Of Autumn, *or Harvest Quarter.*

Autumn, or Harvest Quarter, being the third Quarter of the yeer, beginneth on the twelft day of *September*, being Wenesday, at eight a clock, and sixteen min. at night; at which time the *sun* entereth into the first scruple of the second Equinoctial sign *Libra*, making again the day and night of equall length to all the world. This Quarter, as it is Autumn to us, so it is Spring to our

our Antipodes, and just so is our Spring Autumn to them; this Quarter endeth the 11. day of *December*, the *sun* in the mean time running his course through those three Autumnal signs, *Libra*, *Scorpio* and *Sagittarius*.

The HYEMAL, SOLSTITIAL, *or Winter Quarter.*

WInter Quarter, being the fourth and last Quarter Astronomical, beginneth with us upon Tuesday the 11. day of *December*, at 57. min. after seven a clock in the morning, at which moment of time the *sun* doth enter into the first poynt of the second Solstitial sign *Capricornus*, having then made his furthest progresse (being in his greatest Declination) towards the Southern parts of the world, the dayes being at the shortest, and the nights at the longest to all Northern Inhabitants; and on the contrary, making the dayes at the longest, and the nights at the shortest to our Antipodes, and all the Southern Inhabitants; and having enlightned those parts with his bright summers beams, beginneth his journey back again towards us in the Northern Climates, walking through the three last Signs in the Zodiack, finishing this Quarter, and his whole yeers Revolution on Sunday the tenth day of *March*, in the yeer next following.

Of the ECLIPSES *happening this yeer* 1649.

THe two great Luminaries of the world, the *Sun* and the *Moon*, will this yeer suffer three great and terrible Eclipses, the *Sun* one, and the *Moon* two, all of them visible in our Horizon, if the Heavens be cleer; and those of the *Moon* will be totall Eclipses, and of long continuance.

First, for that of the *Sun*, it happeneth on the 25. day of *October*, soon after one a clock in the afternoon, the *Moon*

Moon then at that time being in conjunction with the *Sun* in *Scorpio*, neer unto the Dragons tail, and will be seen of us, if the Heavens be cleer, as here it followeth.

	Ho.	Min.	Sec.	
The beginning will be at	1	9	47	Afternoon.
The middle at	2	9	47	
The end will be at	3	9	47	
The time of incidence	1	0	00	
The whole duration	2	0	00	
The digits or parts eclipsed	5d.	9	41	such parts whereof the Diameter of the *Sun* containeth twelve.

At the middle time of this Eclipse, the *Sun* will appear obscured, as in this figure is set forth to our sight.

The ECLIPSES *of the* MOON.

OF those two great eclipses of the *Moon*, the first of them happeneth on Tuesday the fifteenth of *May*, a little more then half an hour after mid-night; from which time untill half an hour after four a clock in the morning, this Eclipse will continue, being Wednesday morning, the 16 day of *May*, the middle of this Eclipse happeneth the *Sun* in

in five degr. of *Gemini*, and the *Moon* in the fift degr. of *Sagittarius*, neer the Dragons tail, and may be obſerved as followeth.

	Ho.	Min.	Sec
The beginning is after mid night	0	35	12
The beginning of the totall darkneſſe	1	45	59
The middle of the Eclipſe is at	2	34	23
The end of the totall darkneſſe	3	22	47
The finall end of the Eclipſe	4	33	34
The whole time of continuance	3	58	22
The time of Incidency	1	59	11
From the beginning of the Eclipſe to the beginning of the totall darkneſſe	1	10	47
The continuance of the totall darkneſſe	1	36	59
From the end of the totall darkneſſe to the finall end of the Eclipſe	1	10	47
At the beginning of the Eclipſe the Moons latitude is N rth deſcending	0	10	18
Her latitude at the end is South aſcending	0	2	2.
Her motion of latitude during the time of this long Eclipſe	0	12	20

THe ſecond Eclipſe of the *Moon*, which is a greater Eclipſe, and of longer continuance then the former, happeneth on Friday the ninth of *November*, in the morning, it begins a little more then half an hour after four a clock in the morning, and endeth not untill one hour and twelve min. after Sun-riſing, ſo that the *Moon* goeth down eclipſed: At the time of this great Eclipſe the *Moon* is in 27. degr. of *taurus*, neer unto the Dragons head, and the *Sun* is in 27. deg. of *Scorpio*: and if the Heavens be cleer, it may be obſerved according to the time of the day, as followeth.

	Ho.	Min.	Sec.
The beginning of the Eclipſe is at	4	36	56
The beginning of the totall darkneſſe at	5	53	59
The middle of the Eclipſe at	6	47	19

The

	Ho.	Min.	Sec.
The end of the totall darkneſſe at	7	40	39
The finall end of the Eclipſe at	8	57	42
The whole duration is	4	20	46
The time of incidency	2	10	23
From the beginning of the Eclipſe unto the beginning of the totall darkneſſe	1	17	3
The time of the totall darkneſſe	1	46	40
From the end of the totall darkneſſe to the finall end of the Eclipſe	1	17	3
The Moons latitude at the beginning of the Eclipſe, ſouth deſcending	0	1	16
Her latitude at the end, north aſcending	0	10	7
Her motion of latitude during the time of this Eclipſe, is	0	11	23

COncerning the effects of theſe great Eclipſes, which aſſuredly are of great concernment, I will not ſay any thing, but onely refer the Reader to the excellent and laborious Works of thoſe two famous Luminaries of *Aſtrologie*, Maſter *Booker*, and Maſter *Lilly*, in whoſe Works they ſhall aſſuredly finde abundant ſatisfaction in all things of that nature; and I hope in their Works for this yeer we ſhall read their judgements upon thoſe Eclipſes in particular: whoſe Works I wiſh that all men would read and well conſider, for in them I can avouch that I have found a great deal of certainty.

Of the Cauſes of ECLIPSES.

THe Eclipſe of the *Sun* is nothing elſe but the *Moon* putting of her dark body between the Sun and our ſight; for the Sun loſeth no light, but onely we are deprived of the ſame by the interpoſition of the *Moons* body: and this never happenth but when the *Sun* and *Moon* are in a viſible conjuction; for there is a mean, true and viſible conjunction: the true and viſible conjunction always happen together, the *Sun* and *Moon* having no paralax.

The

The Eclipse of the *Moon* is nothing else but the interposition of the body of the Earth between the body of the *Moon* and the light of the *Sunne*: for the *Moon* of her self is a dark and grosse body, and hath no light but what she receiveth from the *Sun*, whereby it followeth, that she is never eclipsed but at such time as the Earth is betwixt the *Sun* and her; which chanceth she being at the full, Diametrically opposite to the *Sun*, and somewhat neer the head or tail of the Dragon: for the *Moon* is never eclipsed but at her opposition to the *Sun*, or Full-Moon: and the Sun is never eclipsed but at the Moons conjunction with him; that is, at her change, or New-Moon.

The eclipses of the Moon appear alike to all people, above whose Horizon she is at the time of the Eclipse: but the eclipse of the Sun may be, and is to some places total, to some partial, and to some others not any whit at all visible, although the Sun be above all their severall Horizons, cleer and visible at the time of the Eclipse; for if the Moon have South latitude at the time of her conjunction, she may cause an Eclipse of the Sun to the South parts of the world, though there be none at all to North parts; and if she have North latitude, she may cause an Eclipse of the Sun to the Northern Inhabitants, and yet none at all to the Southern Inhabitants.

The Eclipses of the Moon, for divers causes, be not alwayes after one manner; for by reason of her unequall latitude, which at one time is nothing at all, whereby it cometh to passe, that the Eclipse is greater in magnitude, and longer in duration: sometimes her latitude is so great, that she falleth not any whit at all within the shadow of the Earth, and then she is not eclipsed at all: And at some other times, she hath latitude but so small, that she commeth partly within the shadow of the Earth, and so suffereth a partill Eclipse, losing onely part of her light: For it is a generall rule, [illegible] the Moons latitude at the true opposition is [illegible] the semidiameter of the shadow of the Earth, and

and the ſemidiameter of the Moons body, being both joyned together, that then the Moon will be eclipſed; and the more theſe two ſemidiameters doe exceed the Moons latitude, the greater is the Eclipſe. And ſometime (as in thoſe two Eclipſes of this yeer) the Moon hath ſo ſmall latitude at the time of the conjunction, that ſhe almoſt paſſeth through the center of the Earth, and ſo happeneth to be totally eclipſed for a long time. But this ſubject is not to be largely diſcourſed of in a little Book.

To behold an Eclipſe of the Sun without hurt to the ſight, ſome uſe to ſet a veſſell with water for the Sun-beams to ſhine upon, and therein to behold the ſame; but a better way is to let the Sun-beams into ſome cloſe room and hold a white paper againſt the hole, for the Sun-beams to light upon, where you ſhall ſee directly how the Moon paſſeth between the Sun and our ſight, but through the hole the part eclipſed will appear on the quite contrary ſide. Or you may take a Burning-glaſſe, and hold it againſt ſome wall, or ſmooth paper, about twice ſo far off as you would to burn any thing, and ſo without looking on the Sun, you may ſee the true ſhape and manner of the Eclipſe, from the very firſt to the laſt, but inverſe, or on the contary ſide to that in the Sun.

The explanation and uſe of the Table of INTEREST here following.

IF you deſire to know what intereſt is due upon any ſum of money for a yeer, or any time under, by the Table following, you readily know it, after this manner; ſeek the principall, or ſum of money, on the ſide of the Table, and the time on the head, and in the common angle, or place of meeting, you have the ſum of the intereſt due upon

upon that ſum, and for that time you deſire, in pounds, ſhillings, pence, and parts of pence: Note here that 25. of thoſe parts make a peny.

Example; I would know what intereſt is due upon ſeven pounds for five moneths, therefore ſeek I for ſeven on the left hand of the firſt Table, where it is titled with pounds, and from that ſeven I guide my eye in a right line, untill I come under five, the number of moneths, and in the common angle, or place of meeting, I finde four ſhillings eight pence, which is the juſt intereſt due for ſeven pounds in five moneths.

Again, I would know what intereſt is due upon ſeventeen pounds for five moneths, I enter the Table with ten pounds, in the part for pounds, and under five moneths in the place of meeting, I finde ſix ſhillings eight pence; this ſix ſhillings eight pence, and the four ſhillings eight pence, afore-found to be due for ſeven pounds in the ſame time of five moneths, together, make eleven ſhillings four pence, which is the intereſt due upon ſeventeen pounds for five moneths.

Again, I would know what intereſt is due upon ſeventeen ſhillings for eight moneths, therefore I ſeek in the Table, in the part for ſhillings, and againſt ten ſhillings is ſix pence, and ten parts of a peny, and againſt ſeven ſhillings I finde four pence, and twelve parts of a peny, theſe two ſums, ſix pence and ten parts, and four pence and twelve parts, I adde together, and they make ten pence, and twenty two parts of a peny: ſuch parts I mean whereof the whole peny is divided into twenty five parts, ſo I conclude, that the intereſt due upon ſeventeen ſhillings for eight moneths, is ten pence, and 22 parts of a peny.

A perfect

A perfect table of Interest of money from the rate of eight in the hundred, by the time under

	I. Moneth.			II. Moneths			III. Moneths			IIII. Moneths			V. Moneths			VI. Moneths.		
Shillings.	sh.	d.	pa	sh.	d.	pa	sh.	d.	pa	sh.	d.	pa	sh.	d.	pa.	sh.	d.	pa.
1	0	0	2	0	0	4	0	0	6	0	0	8	0	0	10	0	0	12
2	0	0	4	0	0	8	0	0	12	0	0	16	0	0	20	0	0	24
3	0	0	6	0	0	12	0	0	18	0	0	24	0	1	5	0	1	11
4	0	0	8	0	0	16	0	0	24	0	1	7	0	1	5	0	1	23
5	0	0	10	0	0	20	0	1	5	0	1	15	0	2	0	0	2	10
6	0	0	12	0	0	24	0	1	11	0	1	23	0	2	10	0	2	22
7	0	0	14	0	1	3	0	1	17	0	2	6	0	2	20	0	3	9
8	0	0	16	0	1	7	0	1	23	0	2	14	0	2	5	0	3	21
9	0	0	18	0	1	11	0	2	4	0	2	22	0	3	15	0	4	8
10	0	0	20	0	1	15	0	2	11	0	3	5	0	4	0	0	4	20
Pounds.																		
1	0	1	15	0	3	5	0	4	20	0	6	10	0	8	0	0	9	15
2	0	3	5	0	6	10	0	9	15	1	0	20	1	4	0	1	7	5
3	0	4	20	0	9	15	1	2	10	1	7	5	2	0	0	2	4	20
4	0	6	10	1	0	20	1	7	5	2	1	15	2	8	0	3	2	10
5	0	8	0	1	4	0	2	0	0	2	8	0	3	4	0	4	0	0
6	0	9	15	1	7	5	2	4	20	3	2	10	4	0	0	4	9	15
7	0	11	5	1	10	10	2	9	15	3	8	2	4	8	0	5	7	5
8	1	0	20	2	1	15	3	2	10	4	3	5	5	4	0	6	4	20
9	1	2	10	2	4	20	3	7	5	4	9	15	6	0	0	7	2	10
Ten of Pounds.	li.	sh.	d.	li.	sh.	d.	li.	sh.	d.	li.	sh.	d.	li.	sh.	d.	li.	sh.	d.
10	0	1	4	0	2	8	0	4	0	0	5	4	0	6	8	0	8	0
20	0	2	8	0	5	4	0	8	0	0	10	8	0	13	4	0	16	0
30	0	4	0	0	8	0	0	12	0	0	16	0	1	0	0	1	4	0
40	0	5	4	0	10	8	0	16	0	1	1	4	0	1	6	8	1	12	0
50	0	6	8	0	13	4	1	0	0	1	6	8	1	13	4	2	0	0
60	0	8	0	0	16	0	1	4	0	1	12	0	2	0	0	2	8	0
70	0	9	4	0	18	8	1	8	0	1	17	4	2	6	8	2	16	0
80	0	10	8	1	1	4	1	12	0	2	2	8	2	13	4	3	4	0
90	0	12	0	1	4	0	1	16	0	2	8	0	3	0	0	3	12	0
100	0	13	4	1	6	8	2	0	0	2	13	4	3	6	8	4	0	0

one ſhilling to an hundred pounds, after yeer, from moneth to moneth, for any a yeer.

	VII. Moneths			VIII. Moneths			IX. Moneths			X. Moneths			XI. Moneths			XII. Moneths		
Shillings.	ſh.	d.	pa.	ſh.	p.	pa	ſh.	d.	pa.	ſh.	d.	pa	ſh.	d.	pa.	ſh.	d.	pa
1	0	0	14	0	0	16	0	0	18	0	0	20	0	0	22	0	0	24
2	0	1	3	0	1	7	0	1	11	0	1	15	0	1	19	0	1	23
3	0	1	17	0	1	23	0	2	4	0	2	10	0	2	16	0	2	22
4	0	2	6	0	2	14	0	2	22	0	3	5	0	3	13	0	3	21
5	0	2	20	0	3	5	0	3	17	0	4	0	0	4	10	0	4	20
6	0	3	9	0	3	21	0	4	8	0	4	20	0	5	7	0	5	19
7	0	3	23	0	4	12	0	5	1	0	5	15	0	6	4	0	6	18
8	0	4	12	0	5	3	0	5	19	0	6	10	0	7	1	0	7	17
9	0	5	1		5	19	0	6	1.	0	7	5	0	7	22	0	8	16
10	0	5	15	0	6	1	0	7	5	0	8	0	0	8	20	0	9	15
Pounds.																		
1	0	11	5	1	0	20	1	2	10	1	4	0	1	5	15	1	7	5
2	1	10	10	2	1	15	2	4	20	2	8	0	2	11	5	3	2	10
3	2	9	15	3	2	10	3	7	5	4	0	0	4	4	20	4	9	15
4	3	8	20	4	3	5	4	9	15	5	4	0	5	10	10	6	4	20
5	4	8	0	5	4	0	6	0	0	6	8	0	7	4	0	8	0	0
6	5	7	5	6	4	20	7	2	10	8	0	0	8	9	15	9	7	5
7	6	6	10	7	5	15	8	4	20	9	4	0	10	3	5	11	2	10
8	7	5	15	8	6	10	9	7	5	10	8	0	11	8	20	12	9	15
9	8	4	20	9	7	5	10	9	1	12	0	0	13	2	10	14	4	20
Ten of Pounds.	li.	ſh.	d.	li.	ſh.	d.	li.	ſh.	d.	li.	ſh.	d.	li.	ſh.	d.	li.	ſh.	d.
10	0	9	4	0	10	8	0	12	0	0	13	4	0	14	8	0	16	0
20	0	18	8	1	1	4	1	4	0	1	6	8	1	9	4	1	12	0
30	1	8	0	1	12	0	1	16	0	2	0	0	2	4	0	2	8	0
40	1	17	4	2	2	8	2	8	0	2	13	4	2	18	8	3	4	0
50	2	6	8	2	13	4	3	0	0	3	6	8	3	13	4	4	0	0
60	2	16	0	3	4	0	3	12	0	4	0	0	4	8	0	4	16	0
70	3	5	4	3	14	8	4	4	0	4	13	4	5	2	8	5	12	0
80	3	14	8	4	5	4	4	16	0	5	6	8	5	17	4	6	8	0
90	4	4	0	4	16	0	5	8	0	5	0	0	6	12	0	7	4	0
100	4	13	4	5	6	8	6	0	0	6	13	4	7	6	8	8	0	0

A brief Chronology of divers memorable things since the birth of *Christ*, shewing in what yeer they happened, and how long it is since, to this yeer 1649.

	Years of Christ.	Years since.
CHRIST was born	1	1649
Christ suffered death upon the Crosse	33	1616
Paul was converted	34	1815
Agrippa eaten up by worms	44	1605
Rome was burnt by command of *Nero*	61	1588
The first persecution began	63	1586
Jerusalem destroyed by *Titus*	70	1579
John writ his Revelation in *Pathmos*	95	1554
England first received the Christian faith	177	1472
Scotland first received the Christian faith	203	1446
Constantine the first Christian Emperour	324	1325
The first generall Councell	325	1324
The Tower of *London* built	569	080
Clocks and Dials first set up in Churches	606	1043
Cambridge was made a University	635	1014
England first divided into Parishes	636	1013
Egbrichus made *England* first a Monarchy	802	847
The *Danes* first came into *England*	1018	631
Westminster-Hall built	1100	549
The Conquest of *England* by Duke *William*	1066	583
Painting and glazing first used in *England*	655	994
Pauls Church in *London* built	1086	563
The Bible first divided into Chapters	1195	454
London-Bridge built with stone	1209	440
The first Mayor of *London*	1190	459
Organs first used in Churches	661	988
Tiling first used in *London*	1247	402
Guns were invented	1380	269
The order of the Garter instituted	1344	305
A Frost from mid September till April	1364	284
Printing was invented	1440	209
Martin Luther opposed the Pope	1517	132

The

The Regiſter-book began in every Pariſh	1538	111
King *Henry* the eighth conquers *Bulloign*	1517	132
The contagious ſweating ſickneſſe	155	98
Coaches firſt uſed in *England*	1555	94
Pauls ſteeple firſt fired by Lightning	562	87
The Royall Exchange in *London* built	1565	84
The Plague at *New-haven*	156	86
The Rebellion in the North	1569	80
The Maſſacre of the Proteſtants at *Paris* in *France*.	572	77
The whole Heavens ſeemed to burn	1574	75
A great Blazing Star	1577	72
A great ſnow fell *February* 4.	1578	71
The generall Earth quake in *England*	1580	69
Tobaccho firſt uſed in *England*	1585	64
Tilbury-Camp on Saint *James* day	1588	61
A Voyage to *Portugal*	1589	60
A Voyage to *Cadiz*	1596	55
King CHARLES born, *November* 19	16 0	49
A great Plague in *London*, whereof dyed in *London* 30578. beſides of other Diſeaſes	162	46
The Gunpowder-treaſon, *Novemper* 5.	1605	44
The Plantation in *Virginia*	1806	43
The laſt great Froſt	1607	42
The new Exchange built	1612	37
The laſt great ſnow, and *Smithfield* paved	1615	34
Suttons Hoſpitall founded	1614	35
The new River brought to *London* finiſhed	1613	36
A great Plague in *London*, whereof dyed in one yeer 35418 and of other Diſeaſes 18849.	1625	24
Our royall Prince CHARLES born	1630	19
A great Plague in *Cambridge*	1630	19
Thomas Parr dyed, *Novemb.* 15. aged 152. yeers	1635	14

A Table of the hour and minute of the seven Stars coming to the South, drawn for every fift day of the month throughout this yeer 1649.

Days.	Janu.	Febr.	Marc.	April.	May.	June.
	H. M.	H. M.	H. M.	H. Mi.	H. Mi	Ho. Mi.
1	7 A 53	5 A 43	3 A 59	2 A 6	0 A 13	10 B 8
5	7 35	5 28	3 44	1 51	11 B 57	9 51
10	7 14	5 9	3 26	1 33	11 37	9 31
15	6 53	4 50	3 8	1 14	11 17	9 9
20	6 32	4 32	2 49	0 55	10 57	8 49
25	6 11	4 14	2 31	0 36	10 37	8 29
30	5 51		2 13	0 17	10 17	8 9

Days.	July.	Augu.	Septē	October.	Novemb.	Decemb.
	H.M.	H.M.	H.M.	Ho. Mi.	H. Mi.	Ho. Mi.
1	8 B 3	6 B 4	4 B [illegible]	2 B 22	0 B 22	10 A 4
5	7 48	5 48	3 55	2 7	0 5	9 48
10	7 30	5 30	3 38	1 48	11 A 44	9 30
15	7 11	5 11	3 20	1 29	11 19	9 10
20	6 53	4 53	3 2	1 9	10 57	8 47
25	6 36	4 36	2 43	0 50	10 36	8 24
30	6 17	4 17	2 25	0 30	10 14	8 3

The use of this Table and the next joyntly and together is briefly thus by example; *Ianuary* 10. I observe the little Dog upon the Meridian, and would know the hour of the night, I there find him to come south three hours 45. min. after the seven stars, which on that day come south at seven and 14. min. afternoon; adde this seven and 4. min. to that three hours and 45. min. and they make ten a clock, and 59. min. for the hour of the night: and so of any other.

A table

A table of one and twenty of the most notable fixed Starres, shewing at what hour and minute they come to the Meridian, or South point, before or after the seven Stars, as the letters in the third Column do signifie, aft. *standing for after the seven stars, and* bef. *for before the seven stars By this table, with the former joyned together, may be known the hour of the night, and by knowing the hour of the night these stars may be known. Also here in this table is set down the declination of these stars North or South, as the letters* N. *and* S. *do signifie. And lastly their places in the Ecliptick Thus I finde the* Goat *cometh South one hour, 24. min. after the seven stars, his declination 45. degr. 33. min. North.*

The names of the Starres.	Their coming to the South befor or after the 7. Stars.			Their declination North or South.			Their place in the Ecliptick.		
The Buls Eye	0h	49m	aft	15	4	N	♊ 5	49	
The Goat	1	24	aft	45	33	N	♊ 13	55	
Orions right shoulder	2	9	aft	7	17	N	♊ 24	32	
The great Dog	3	3	aft	16	13	S	♋ 7	43	
The little Dog	3	45	aft	6	8	N	♋ 18	36	
Hydraes bright Star.	5	44	aft	7	7	S	♌ 15	19	
Lyons Heart	6	23	aft	13	4	N	♌ 25	2	
Lyons Tayl	8	5	aft	16	36	N	♍ 22	0	
Virgins Spike	9	4	aft	9	14	S	♎ 17	56	
Arcturus	10	33	aft	21	7	N	♍ 2	2	
Lucida Corona	11	53	aft	27	58	N	♍ 22	16	
Scorpions Heart	11	10	bef	25	31	S	♐ 3	55	
The flying Eagle	7	52	bef	7	58	N	♑ 21	22	
The Harp	9	1	bef	38	29	N	♑ 5	38	
Swans Tail	7	57	bef	44	1	N	♒ 4	56	
Pegasus Shoulder	4	51	bef	9	0	N	♓ 4	8	
Pegasus Leg	4	40	bef	26	8	N	♓ 10	11	
Whales South Tail	3	1	bef	19	59	S	♈ 6	50	
The Pole-Star	2	57	bef	87	23	N	♈ 8	0	
Lucida in cap. Ariet.	1	39	bef	21	45	N	♈ 28	47	

A Tide-Table, ſhewing what Moon makes a full Sea, and at what hour and minute, in any of theſe places following.

The names of the places.	point of compaſſe.	H.	M.
Southampton, Quinborow, Portſmouth,			
Welſin, Beachy, the Spits, Iſle of Wight, Kentiſh Knock, Flanders.	*S. and N.*	0	0
Rocheſter, Maldon, Aberden, Redoan.	*S. by W.*	0	45
Tenere, Blackneſſe, Scilly halftide, Graveſ-end, Romny, Dowas, Ramkins.	*S. S. W.*	1	30
London, Tynmouth, Hartlepool, Amſterdam, Gaſcoyn, White-Bay, Brittain.	*S. W.*	3	0
Berwick, Oſtend, Flamborough-head, Scarborow, Fluthing, Burdeaux	*S. W. by*	3	45
Frith, Lieth, Dunbar, Narbon, Monts-Bay.	*W. S. W.*	4	30
Falmouth, Foy, Humber, Newcaſtle Torbay, Dartmouth.	*W. by S.*	5	15
Lin, Antwerp, Plymouth, Waymouth, Hull, Lundy, Holmes, Davids-head.	*E. and W.*	6	0
Briſtol, Foulneſſe, Lanion.	*E. by S.*	6	45
Milford, Bridgewater, Exwater, Waterford, Cap cleer, Abermorick.	*E. S. E.*	7	30
Portland, Peterport, Harflew, Hague Dublin, Lambay, St. Magnes-Sound.	*S. E. by E.*	8	35
Orkney-Pool, St. Hellen, Orwell, Iſle of Man, Flee, Ebden, Catnes.	*S. E.*	9	0
Oxford, Needles, Deep, Lux, Lenow.	*S. E. by S*	9	45
Dover, Yarmouth, Harwich, Bulloin.	*S. S E.*	10	30
Rye, Winchelſey, Calſhot, fair Iſle, Rodes, Gorend, Thames.	*S. by E.*	11	15

The use of the Tide-Table, with this of the Moon.

IN the first Column of the Tide-Table is the names of Havens, in the second Column are the points of the Compasse that the Moon is on, to make a full sea there; in the third Column are the hours and minutes of full sea at those places on the Change-day, but for any other day after the Change-day, the hours and minutes in that third Column are to be added to the hour and minute of the Moons coming south, found in this Table, the total is the hour and minute of full sea at the place given, on that day proposed. As for example; *January* 8. this yeer 1649. I desire to know when it is full sea at *Gravesend*. first I seek the Moons age the eighth day of *January*, which in the fift Column of the Almanack I finde is six dayes; next, I come to this Table of the Moon, and here against six dayes of the Moons age, I finde in the middle column, four hours and 48. min. for the time of her coming to the south; then I go to the Tide-table, & seek for *Gravesend*; which found, right against it in the second Column are these letters, *s. s. w.* shewing that a south, southwest Moon makes a full sea there, and in the third Column, I have one hour 30. min. which she w

The Moons age for her comming.	*The Moons comming South, or Change.*	*The Moons age for the hour of the night.*
H. M.	H. M	H. M
1 29	12 48	1 16
2 28	1 36	2 17
3 27	2 24	3 18
4 26	3 12	4 19
5 25	4 0	5 20
6 24	4 48	6 21
7 23	5 36	7 22
8 22	6 24	8 23
9 21	7 12	9 24
10 20	8 0	10 25
11 19	8 48	11 26
12 18	9 36	12 27
13 17	10 24	13 28
14 16	11 12	14 29
15 15	12 0	15 30

sheweth that one hour 30. min. are to be added to the hour and min. of the Moons coming south, to produce the time of full sea at *Gravesend*, therefore to four hours 48. min. found in this Table against the Moons age, I adde the one hour 30. min found in the Tide-Table, and it yeldeth six hours 18 min. so I conclude, that on *January* 8. it is full sea at *Gravesend* at six a clock, and 18. min at night; and so of any other.

A rule to know what a clock it is by the MOONE.

LOok upon any Sun-dyall, and see what a clock it is by the shadow of the Moon, as if it were the sun, observing only how much it wanteth of twelve, or is past twelve, for so much is wanteth, or is past the hour and minute of the Moons coming south, and having the age of the Moon at the day proposed, you shall finde by this last Table the time of her coming south: For Example; I found the Moon to cast a shadow on a Dyall at eleven a clock, the moon being ten dayes old: first I seek in this Table what time the moon is south, being ten dayes old, which here I finde is at eight a clock; now because the moons shadow wants one hour of twelve a clock, therefore the time of the night is one hour lesse then the time of the moons coming south; wherefore I take one from eight, the hour of the moons coming south, and there remaineth seven a clock for the hour of the night.

Several other uses may be made of this little Table of the moon, of which I cannot now insist, being already come to the end of my narrow limits of paper, and so for this yeer I rest

Aprill 6. 1648.

Yours as you please,

S. P.

FINIS.